

PAT-NO: EP000525444A1

DOCUMENT-IDENTIFIER: EP 525444 A1

TITLE: Process for the preparation of fluorinated polyethers.

PUBN-DATE: February 3, 1993

INVENTOR-INFORMATION:

NAME

GRIES, THOMAS DR

COUNTRY

DE

ASSIGNEE-INFORMATION:

NAME

HOECHST AG

COUNTRY

DE

APPL-NO: EP92111460

APPL-DATE: July 7, 1992

PRIORITY-DATA: DE04122614A (July 9, 1991)

INT-CL (IPC): C07C041/30;C07C043/12

EUR-CL (EPC): C07C041/30 ; C07C043/12

US-CL-CURRENT: 568/677

ABSTRACT:

The invention relates to a process for the preparation of fluorinated polyethers of the formula I $\text{Rf-O-(C}_2\text{F}_4\text{)-(C}_2\text{F}_4\text{)-O-Rf}$ (I> in which Rf is a straight-chain, branched or cyclic fluoroalkyl radical or fluoroalkyl ether radical and the two (C₂F₄) groups independently of one another have the structure (CF₂-CF₂) or (CF(CF₃)), starting with a fluorovinyl ether of the formula II Rf-O-CF=CF_2 (II> in which Rf has the same meaning as in formula I. The fluorovinyl ether (II), which is in liquid form or dissolved in an inert

solvent, is reacted with gaseous elementary fluorine which is employed in undiluted form or diluted with an inert gas, at a temperature of -80 to 200 DEG C.